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✓ #2  
WPI Acc No: 2000-413980/200036

Dust- and waterproof pushbutton key, has hollow peg with stamp which is put into hollow peg, so that stamp contacts switching plate if hood is pressed down

Patent Assignee: SILITEK CORP (SILI-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 20002680	U1	20000504	DE 2000U2002680	U	20000215	200036 B

Priority Applications (No Type Date): DE 2000U2002680 U 20000215

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 20002680	U1	16	H01H-013/14	

Abstract (Basic): DE 20002680 U1

NOVELTY - The key is assembled on a switching plate (4), and includes a base-plate (1) with at least one hollow peg (11) formed on it. The hollow peg comprises a levelled section (12) at its upper end, an elastic part (2, 20) which is mounted at the levelled section, and a hood (3) mounted at the elastic part. The hollow peg comprises a stamp (31) which is put into the hollow peg, whereby the stamp contacts the switching plate, if the hood is pressed down.

USE - For keyboard.

ADVANTAGE - Enables simple and cost-effective manufacture. Can be used in unfavorable conditions such in a dust environment or if coffee or tea is spilt on key.

DESCRIPTION OF DRAWING(S) - The figure shows an arrangement according to the invention.

- switching plate (4)
- hollow peg (11)
- base-plate (1)
- elastic part (2, 20)
- levelled section (12)
- stamp (31)
- hood (3)

pp; 16 DwgNo 1/8



⑮ **BUNDESREPUBLIK  
DEUTSCHLAND**



**DEUTSCHES  
PATENT- UND  
MARKENAMT**

⑫ **Gebrauchsmusterschrift**  
⑩ **DE 200 02 680 U 1**

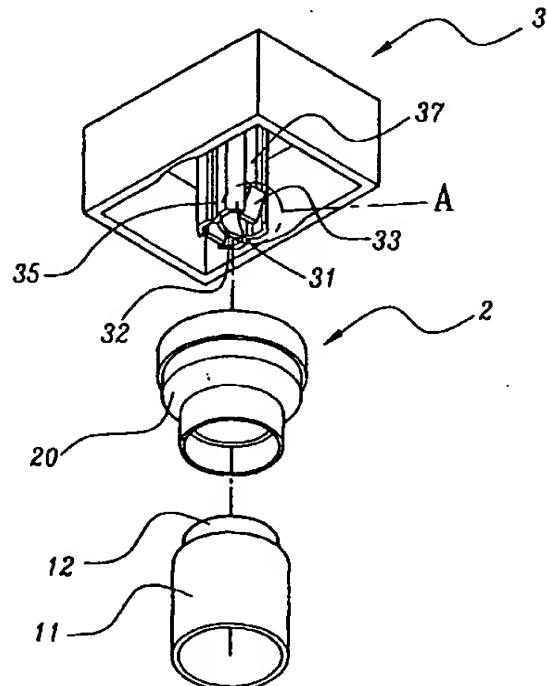
⑤① Int. Cl. 7:  
**H 01 H 13/14**  
H 01 H 13/06  
H 01 H 13/70

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DE 200 02 680 U 1

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- ⑤④ Staub- und flüssigkeitsgeschützter Taster
- ⑤⑦ Staub- und flüssigkeitsgeschützter Taster, der auf einer Schaltplatte (4) montiert ist, aufweisend:  
eine Grundplatte (1) mit wenigstens einem darauf ausgebildetem Hohlzapfen (11), wobei der Hohlzapfen (11) einen Stufenabschnitt (12) an dem oberen Ende aufweist, ein elastisches Teil (2, 20) welches am Stufenabschnitt (12) abgestützt angebracht ist, und eine Kappe (3) die an dem elastischen Teil (2, 20) abgestützt angebracht ist und einen Stempel (31) aufweist, der in den Hohlzapfen (11) eingesteckt ist, wobei der Stempel (31) die Schaltplatte (4) kontaktiert, wenn die Kappe (3) niedergedrückt ist, und der Stempel (31) an dem Hohlzapfen (11) verriegelt ist, wenn die Kappe (3) nicht betätigt ist.



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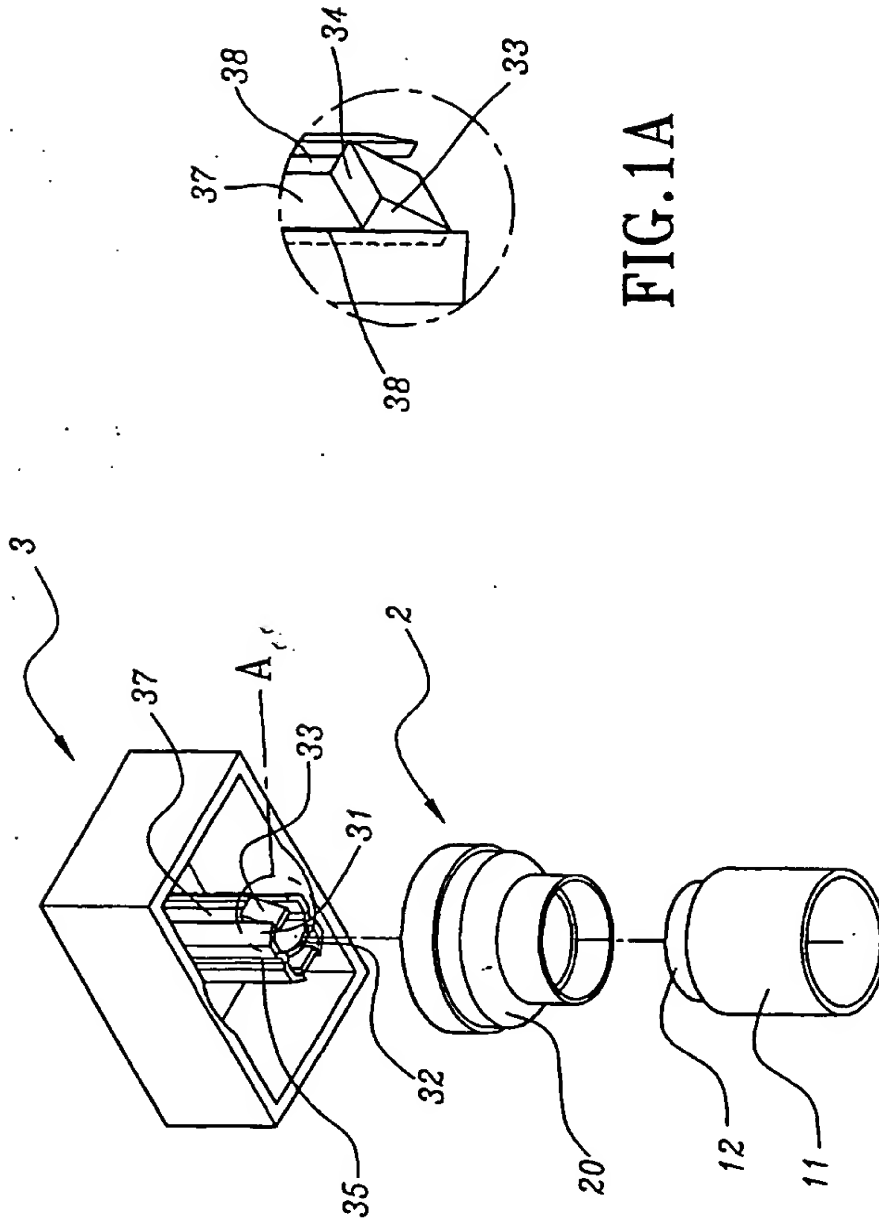


FIG. 1A

FIG. 1

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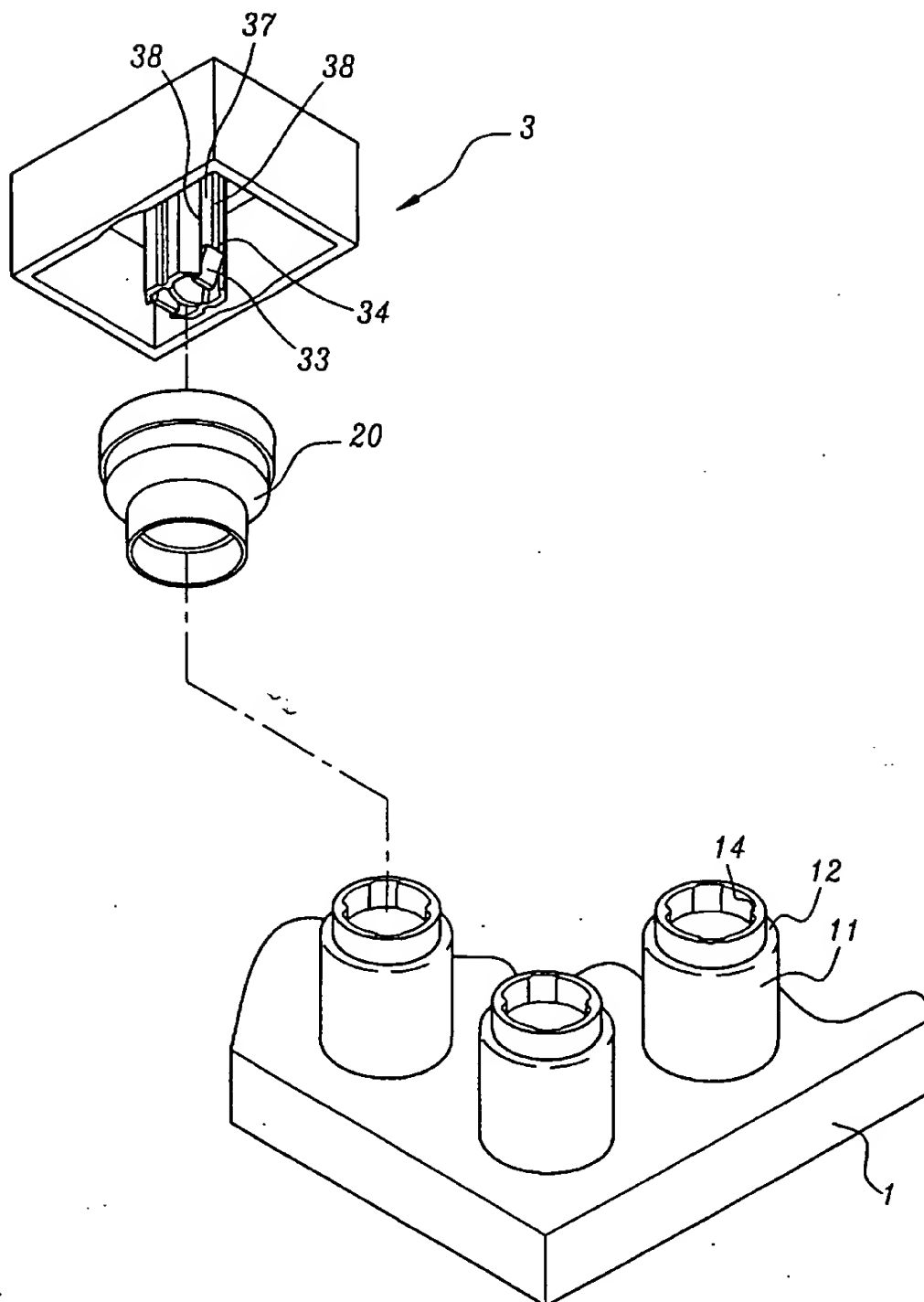


FIG.2

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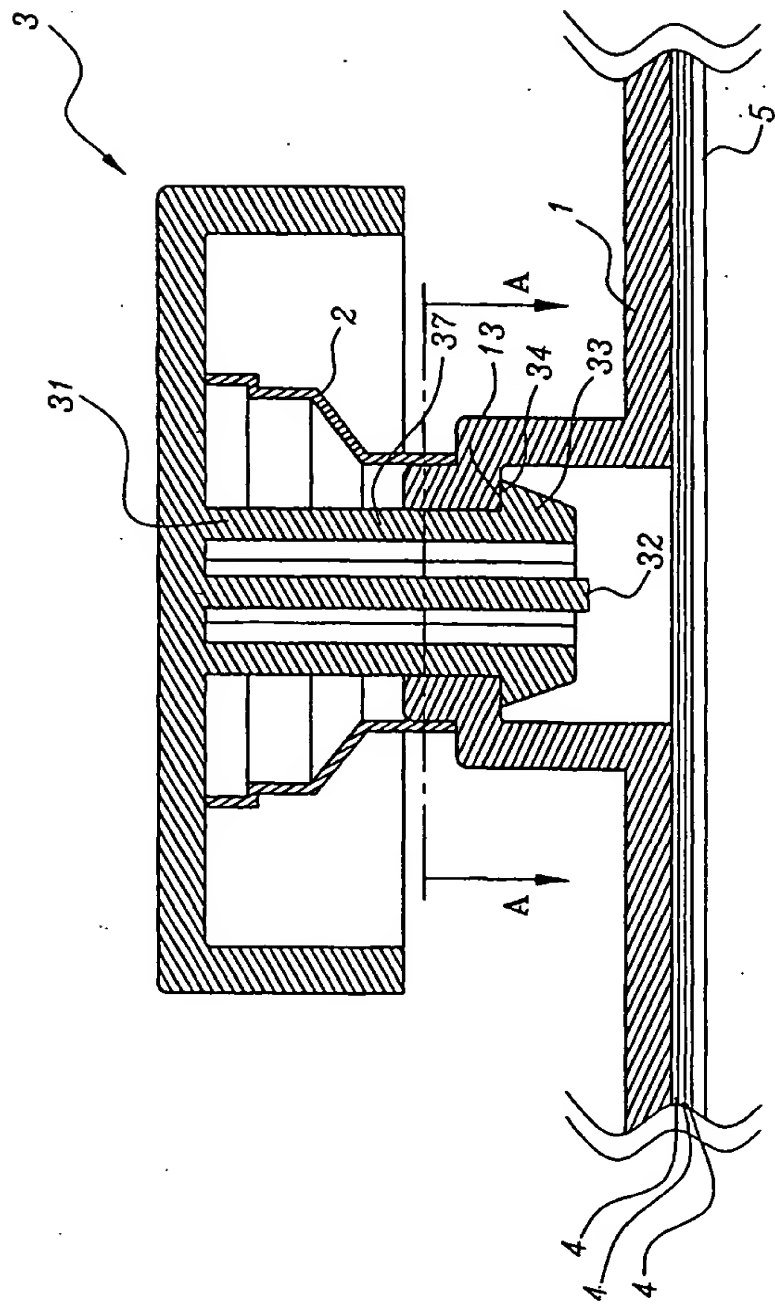


FIG.3

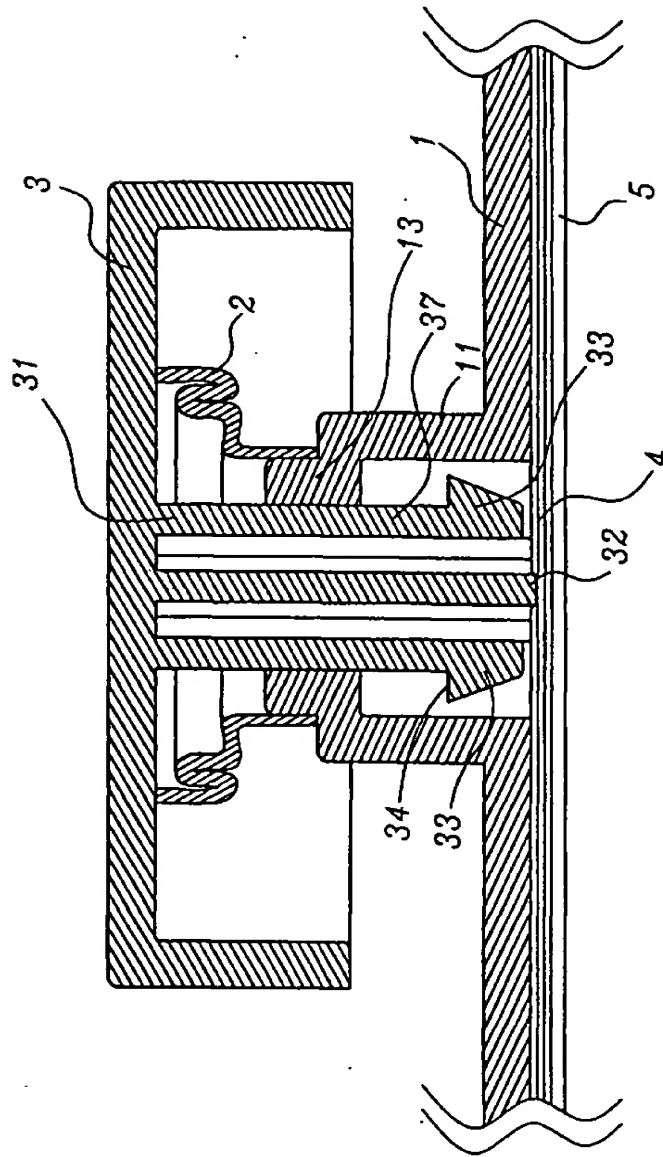


FIG.4

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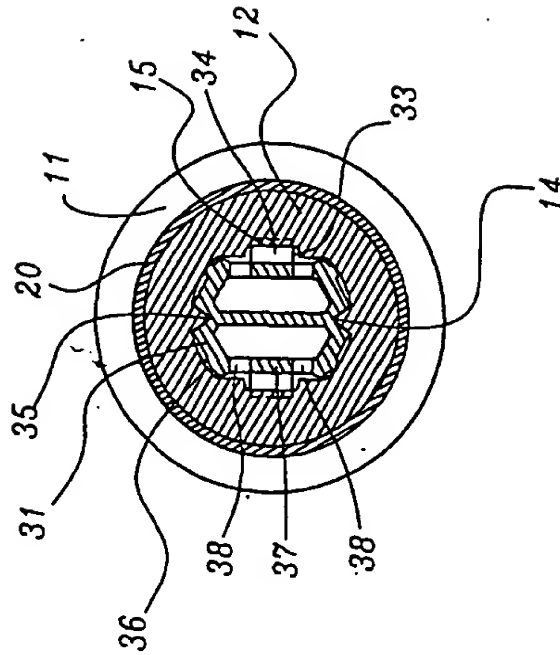


FIG.5

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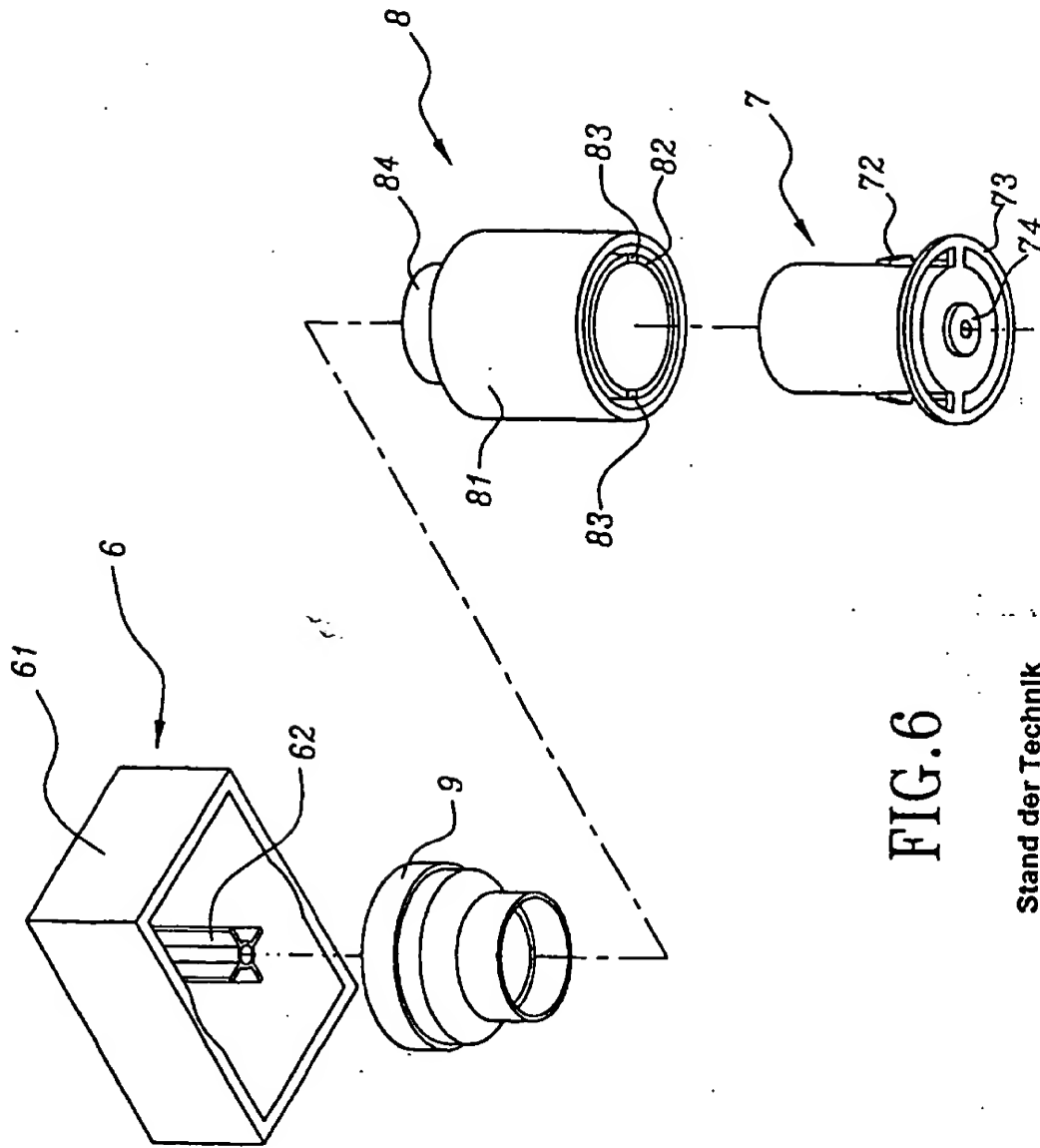


FIG.6

Stand der Technik

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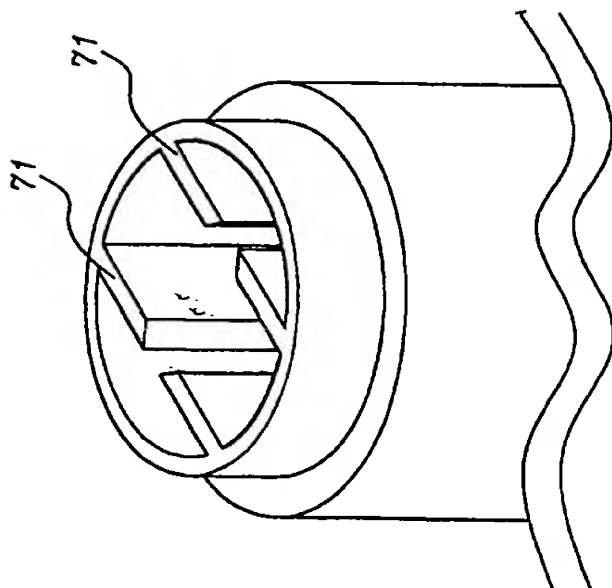


FIG. 7

Stand der Technik

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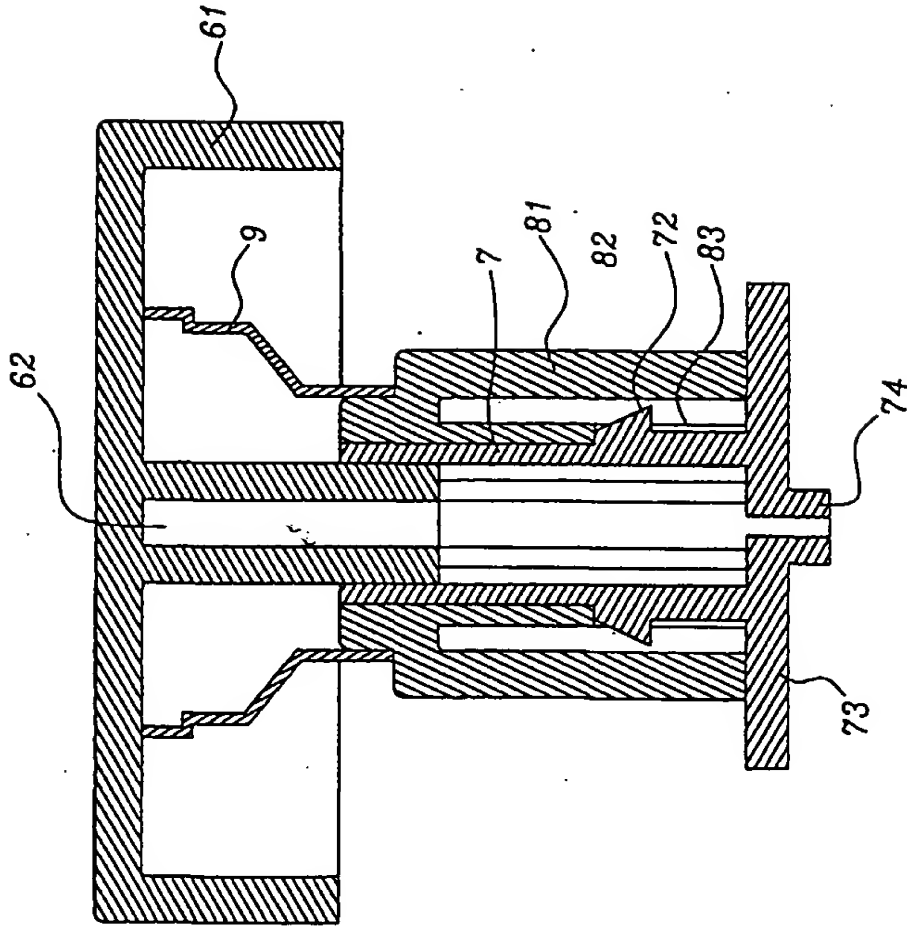


FIG.8

Stand der Technik

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